PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: James L. Leach, et al.

Serial No.: (not yet assigned)
(Continuation-in-part of USSN: 10/277,259; filed October 22, 2002)

Filed: March 10, 2004

For: USE OF SOLUBLE MONOVALENT OLIGOSACCHARIDES AS INHIBITORS OF HIV-1 FUSION AND REPLICATION

Attorney Docket No.: 6992.US.P1

Examiner: (not yet assigned)

Group Art Unit: (not yet assigned)

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MS Patent Application
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Date of Deposit: March 10, 2004

Traci L. Quintero 3/10/2004
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INFORMATION DISCLOSURE STATEMENT

MS Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The following information is submitted, pursuant to 37 CFR §§1.97-1.98 in accordance with Applicant's duty of disclosure under 37 CFR §1.56. This submission is not intended to constitute an admission that any patent, publication or other information cited herein is "prior art" as to the invention claimed. In accordance with 37 CFR §§1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that other material information as defined by 37 CFR §1.56(a) exists.

Applicants submit herewith Form PTO-1449 listing the references known to them. Applicants respectfully request that the Examiner (1) initial each reference listed on the enclosed Form PTO-1449 indicating that the Examiner has considered and made those references of record in this application and (2) return a copy of the initialed Form PTO-1449 to Applicants. Copies of references were previously submitted in U.S. Serial No. 10/277,259, filed October 22, 2002, from which this application corresponds.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits under 37 CFR §1.97(b). Accordingly, no charge is required.

Respectfully submitted,
James L. Leach, et al.

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DATE: March 10, 2004 SHEET 1 of 1

Form PTO - 1449 (Modified)

FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
	6992.US.P1	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT	
	J.L. Leach, et al.	
(Use several sheets if necessary)	FILING DATE	GROUP
	March 10, 2004	
(37 CFR 1.98 (b))		

U.S.PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A1	US 5,945,314	08/31/1999	P. Prieto			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC-ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS-LATION	
							YES	NO
	B1	WO 00/29556	05/25/2000	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C1		Hakomori & Igarashi, "Functional Role of Glycosphingolipids in Cell Recognition and Signaling", **J. Biochem.** 118: 1091-1103 (1995)
	C2		Adachi et al., "Production of Acquired Immunodeficiency Syndrome-Associated Retrovirus in Human and Nonhuman cells Transfected with an Infectious Molecular Clone", **J.Virology** 59:284-291 (August 1986)
	C3		Puri et al., "Human Erythrocyte Glycolipids Promote HIV-1 Envelope Glycoprotein-Mediated Fusion of $CD4^+$ Cells", **Biochem. Biophys. Res. Comm.** 242: 219-225 (1998)
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	C5		Hammache et al., "Specific Interaction of HIV-1 and HIV-2 Surface Envelope Glycoproteins with Monolayers of Galactosylceramide and Ganglioside GM3" **J. Biol. Chem.** 273:7967-7971 (April 1998)
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	C12		Grosh-Wörner et al., "An Effective and Safe Protocol Involving Zidovudine and Caesarean Section to Reduce Vertical Transmission of HIV-1 Infection" **AIDS** 14:2903-2911 (2000)
	C13		Kilov et al., "Shiga-Like Toxins are Neutralized by Tailored Multivalent Carbohydrate Ligands" **Nature** 403:669-672 (February 2000)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)